

Patent Assignment Abstract of Title

Total Assignments: 1**Application #:** 10674428 **Filing Dt:** 10/01/2003**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** US20040068243**Pub Dt:** 04/08/2004**Inventors:** Soren Hansen, Lars Bo Poulsen**Title:** Collecting bag having an improved closure**Assignment: 1****Reel/Frame:** 014590 /
0099**Received:**
10/17/2003**Recorded:**
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05/11/2004**Pages:**
3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** HANSEN, SOREN**Exec Dt:** 09/17/2003POULSEN, LARS BO**Exec Dt:** 09/17/2003**Assignee:** COLOPLAST A/S

HOLTEDAM 1

HUMLEBAEK, DENMARK DK-3050

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WASHINGTON, D.C. 20004-2218

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rigidOne entry found for **rigid**.Main Entry: **rig-id** 

Pronunciation: 'ri-j&d

Function: *adjective*

Etymology: Middle English *rigide*, from Middle French or Latin; Middle French, from Latin *rigidus*, from *rigere* to be stiff

1 a : deficient in or devoid of flexibility <*rigid* price controls> <a *rigid* bar of metal> **b** : appearing stiff and unyielding <his face *rigid* with pain>

2 a : inflexibly set in opinion **b** : strictly observed <adheres to a *rigid* schedule>

3 : firmly inflexible rather than lax or indulgent <a *rigid* disciplinarian>

4 : precise and accurate in procedure <*rigid* control of the manufacturing process>

5 of an airship : having the outer shape maintained by a fixed framework

- **rig-id-ly** *adverb*

- **rig-id-ness** *noun*

synonyms RIGID, RIGOROUS, STRICT, STRINGENT mean extremely severe or stern. RIGID implies uncompromising inflexibility <*rigid* rules of conduct>. RIGOROUS implies the imposition of hardship and difficulty <the *rigorous* training of recruits>. STRICT emphasizes undeviating conformity to rules, standards, or requirements <*strict* enforcement of the law>. STRINGENT suggests severe, tight restriction or limitation <*stringent* standards of admission>. **synonym** see in addition STIFF

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Definition

rigid Show phonetics

adjective

stiff or fixed; not able to be bent, moved, changed or persuaded:

a rigid steel and concrete structure

*I was rigid **with** (= stiff and unable to move because of) fear.*

DISAPPROVING *We were disappointed that they insisted on such a rigid interpretation of the rules.*

rigidly Show phonetics

adverb MAINLY DISAPPROVING

rigidity Show phonetics

noun [U]

(from Cambridge Advanced Learner's Dictionary)

English Language
Teaching from Cambridge
University Press

Many more resources are
available from Cambridge
ELT.

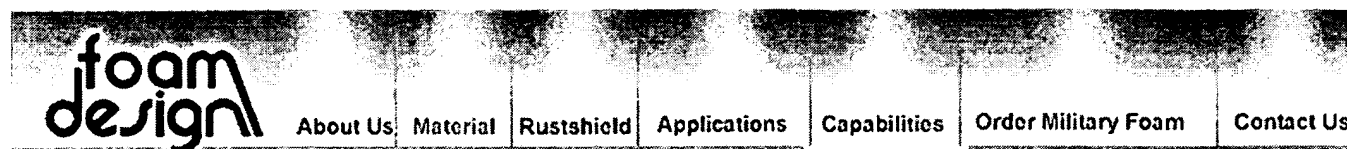


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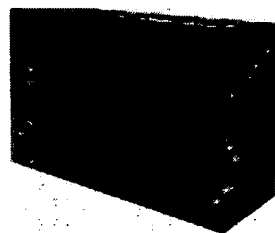
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MATERIALS

Polyethylene Foam

Polyethylene foam is a tough, resilient, lightweight, moisture and chemical resistant closed-cell material that is usable across a wide range of applications and temperatures. We commonly use polyethylene foam for cushion packaging and dunnage applications (blocking and bracing) as well as numerous other applications. FDI works with the following PE providers:



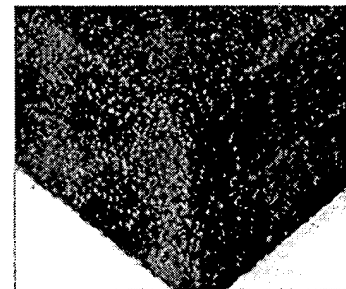
Cross Linked Polyethylene Foam

Cross linked Polyethylene foam has many of the same qualities as non-cross linked polyethylene foam, however, it also has the ability to protect class "A" surfaces. Other common applications of cross linked polyethylene are medical case inserts and compression molded and thermoformed parts. Our cross linked polyethylene foam providers are:



Polyurethane Foam

Polyurethane foam is a light, inexpensive and durable foam with many applications. Foam-In-Place polyurethane packing is designed for single use - one way cushion packing; it's inexpensive and quick. Convuluted (egg crate) foam, gasketing, filters, sponges and sound dampening (acoustical foam) are all examples of product made from polyurethane foam. Our manufacturers of polyurethane foams include:



Polypropylene Foam

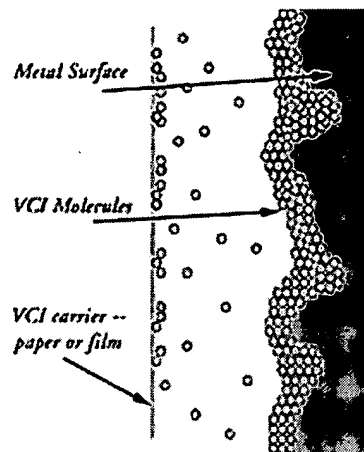
Polypropylene foam is a tough, resilient, and lightweight closed cell material that is moisture and chemical resistant and can be used across a wide range of temperatures. We commonly use Polypropylene for cushion packaging, and dunnage applications (blocking and bracing) as well as numerous other applications. Our manufacturer of polypropylene foam is:



RustShield™:

RustShield™ is an exciting new product for protecting ferrous and other metal items from corrosion. We have added VCI (Volatile Corrosion Inhibitor) to cross-linked polyethylene foam. This product will be produced domestically and will be available either as sheets or finished parts.

How VCI works:

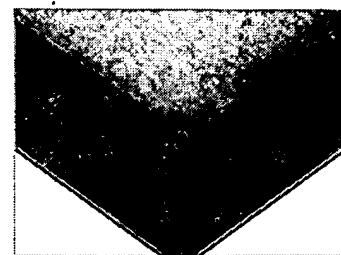


As shown by the sketch the VCI volatilizes from the foam carrier and coats the surface of the metal. This forms a protective barrier preventing moisture, salt, dirt, oxygen and other corrosion causing materials from depositing directly onto the metal. The VCI molecules passivates the charged surface and creates a barrier to a depth of 3 to 5 molecules.

Air tight packing is not required


Before and after use, simply store objects in or on the foam surface of your container. The protective layer begins to dissipate from the foam after the container is closed. When its time to reuse the object, the metal is clean and corrosion-free.

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polystyrene

One entry found for **polystyrene**.

Main Entry: **poly·sty·rene**

Pronunciation: "pă-lē-'stī-'rēn

Function: *noun*

: a polymer of styrene; *especially* : a rigid transparent thermoplastic that has good physical and electrical insulating properties and is used especially in molded products, foams, and sheet materials

For **More Information on "polystyrene"** go to Britannica.com

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Styrofoam

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Main Entry: **Sty·ro·foam** ˈstɪ-rə-ˈfom

Pronunciation: 'stɪ-rə-ˈfom

Function: *trademark*

-- used for an expanded rigid polystyrene plastic

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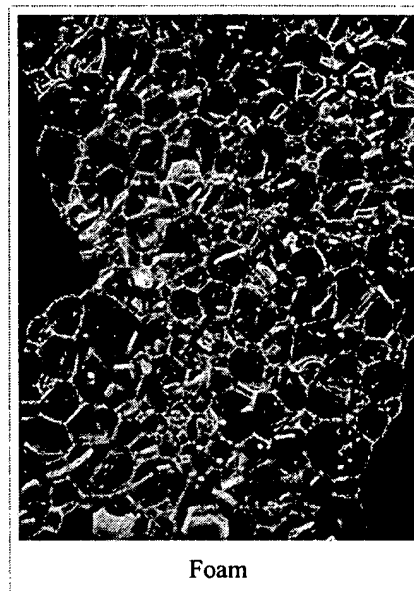
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The most general definition of **foam** is a substance that is formed by trapping many gas bubbles in a liquid or solid. It can also refer to anything that is analogous to such a phenomenon, such as quantum foam. Often people mean polyurethane foam (foam rubber), Styrofoam or some other manufactured foam when they are using the term.

From the early 20th century, various types of specially manufactured solid foams came into use. The low density of these foams made them excellent as thermal insulators and flotation devices, and their lightness and compressibility made them ideal as packing materials and stuffings. Some liquid foams also found uses in extinguishing fires, especially oil fires.

Foam, in this case meaning "bubbly liquid", is also produced as an often unwanted by-product in the manufacture of various substances. For example, foam is a serious problem in the chemical industry, especially for biochemical processes. Many biological substances, for example proteins, easily create foam on agitation and/or aeration. Foam is a problem because it alters the liquid flow and blocks oxygen transfer from air (therefore preventing microbial respiration in fermentation processes). For this reason, anti-foaming agent compounds, like silicone oils, are added to prevent these problems.

Foaming around the mouth can be a symptom of rabies in animals. The term sea foam is used to describe the foam that forms on top of seawater from the action of waves. In some ways, leavened bread is a foam, as the yeast causes the bread to rise by producing tiny bubbles of gas in the dough.



Foam

Structure of foams

Real-life foams are typically disordered and have a variety of bubble sizes. The study of idealised foams is closely linked to the mathematical problems of space-filling and minimal surfaces. The Weaire-Phelan structure is believed to be the best possible (optimal) unit cell of a perfectly ordered foam, while Plateau's laws describe how the soap-films form structures in foams.

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Last Name = HANSEN

First Name = SOREN

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------------------|-------------------------|--------|------------|--|-----------------------|
| 07655389 | Not Issued | 166 | 04/01/1991 | PROCESS FOR ENZYMATIC PRODUCTION OF DIPEPTIDES OR STRUCTURALLY RELATED COMPOUNDS | HANSEN, SOREN |
| 08039515 | Not Issued | 161 | 03/29/1993 | PROCESS FOR ENZYMATIC PRODUCTION OF DIPEPTIDES OR STRUCTURALLY RELATED COMPOUNDS | HANSEN, SOREN |
| 09335264 | 6589221 | 150 | 06/17/1999 | COLLECTING BAG FOR HUMAN BODY WASTES | HANSEN, SOREN |
| 09489905 | 6419664 | 150 | 01/24/2000 | DRAINABLE COLLECTION BAG FOR HUMAN BODY WASTES | HANSEN, SOREN |
| 09572951 | 6336918 | 150 | 05/18/2000 | collecting bag for human body wastes | HANSEN, SOREN |
| 10301601 | 6780172 | 150 | 11/22/2002 | COLLECTING BAG FOR HUMAN BODY WASTES | HANSEN, SOREN |
| 10476190 | Not Issued | 61 | 11/06/2003 | Collecting bag having a vent aperture | HANSEN, SOREN |
| 10674428 | Not Issued | 71 | 10/01/2003 | Collecting bag having an improved closure | HANSEN, SOREN |
| 10774300 | Not Issued | 41 | 02/06/2004 | Method and a plant for preparing shrimps | HANSEN, SOREN M. |
| 60121230 | Not Issued | 159 | 02/23/1999 | POST-OBSTRUCTION RAT SPERM AUTOANTIGENS IDENTIFIED BY TWO-DIMENSIONAL GEL ELECTROPHORESIS AND WESTERN BLOTTING | HANSEN, SOREN NAABY |
| 29169905 | D484336 | 150 | 10/29/2002 | ASSEMBLY JOINT FOR FURNITURE | HANSEN, SOREN ORGAARD |
| 07457655 | 5100509 | 150 | 12/27/1989 | PROCESS AND SPRAY DRYING APPARATUS FOR | HANSEN, SOREN P. |

| | | | | | |
|-----------------|----------------|-----|------------|--|------------------------|
| | | | | PRODUCING STABLE PARTICLE AGGLOMERATES | |
| <u>07156827</u> | Not Issued | 166 | 02/17/1988 | METHOD OF PRODUCING AN ELECTRIC OR ELECTRONIC COMPONENT, A METHOD OF PRODUCING A KEY AND A KEY | HANSEN, SOREN R. |
| <u>07457178</u> | Not Issued | 161 | 12/26/1989 | METHOD OF PRODUCING AN ELECTRIC OR ELECTRONIC COMPONENT, A METHOD OF PRODUCING A KEY AND A KEY | HANSEN, SOREN R. |
| <u>07615306</u> | <u>5199557</u> | 150 | 11/19/1990 | METHOD OF PRODUCING AN ELECTRIC OR ELECTRONIC COMPONENT, A METHOD OF PRODUCING A KEY AND A KEY | HANSEN, SOREN R. |
| <u>07392969</u> | <u>4966703</u> | 150 | 08/07/1989 | CYCLONE SEPARATOR | HANSEN, SOREN R. Z. |
| <u>60136385</u> | Not Issued | 159 | 05/27/1999 | CONTROL SYSTEM FOR OPERATING A SORTER SYSTEM AND A METHOD FOR CONTROLLING A SORTER SYSTEM | HANSEN, SOREN STIIG |

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Last Name = POULSEN

First Name = LARS

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------------------|-------------------------|--------|------------|--|-------------------------|
| 09736642 | 6728514 | 150 | 12/13/2000 | SCALABLE WIRELESS NETWORK TOPOLOGY SYSTEMS AND METHODS | POULSEN, LARS |
| 60231253 | Not Issued | 159 | 09/08/2000 | Scalable packet switch radio network topology and medium access method using frequency, time and directional diversity | POULSEN, LARS |
| 09572951 | 6336918 | 150 | 05/18/2000 | collecting bag for human body wastes | POULSEN, LARS BO |
| 10301601 | 6780172 | 150 | 11/22/2002 | COLLECTING BAG FOR HUMAN BODY WASTES | POULSEN, LARS BO |
| 10344410 | 6858023 | 150 | 02/14/2003 | REUSABLE COLLECTING BAG FOR HUMAN BODY WASTES | POULSEN, LARS BO |
| 10499823 | Not Issued | 41 | 07/06/2004 | Ostomy appliance | POULSEN, LARS BO |
| 10674428 | Not Issued | 71 | 10/01/2003 | Collecting bag having an improved closure | POULSEN, LARS BO |
| 09335264 | 6589221 | 150 | 06/17/1999 | COLLECTING BAG FOR HUMAN BODY WASTES | POULSEN, LARS BO |
| 10143528 | Not Issued | 41 | 05/09/2002 | Pharmaceutical compositions for preventing or treating Th1 and Th2 cell related diseases by modulating the Th1/Th2 ratio | POULSEN, LARS KAERGAARD |
| 60289711 | Not Issued | 159 | 05/09/2001 | Pharmaceutical compositions for preventing or treating Th1 and Th2 cell related diseases by modulating the Th1/Th2 ratio | POULSEN, LARS KAERGAARD |
| 08818604 | 5958713 | 150 | 03/14/1997 | METHOD OF DETECTING BIOLOGICALLY ACTIVE SUBSTANCES BY USING GREEN FLUORESCENT PROTEIN | POULSEN, LARS KINGSBAK |

| | | | | | |
|--------------------------|-------------------------|-----|------------|--|------------------------|
| 09872364 | 6818443 | 150 | 06/01/2001 | NOVEL FLUORESCENT PROTEINS | POULSEN, LARS KONGSBAK |
| 10947178 | Not Issued | 30 | 09/23/2004 | Novel fluorescent proteins | POULSEN, LARS KONGSBAK |
| 08819612 | 6172188 | 150 | 03/17/1997 | NOVEL FLUORESCENT PROTEINS | POULSEN, LARS KONGSBAK |
| 09346946 | 6566083 | 150 | 07/02/1999 | METHOD OF DETECTING BIOLOGICALLY ACTIVE SUBSTANCES | POULSEN, LARS KONGSBAK |
| 09619310 | Not Issued | 161 | 07/19/2000 | Novel fluorescent proteins | POULSEN, LARS KONGSBAK |

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